

## Claims

What is claimed is:

[c1] A method for increasing the thermal stability of a well fluid comprising: mixing an effective amount of a miscible amine in the well fluid, wherein the well fluid comprises a synthetic polymer.

[c2] The method of claim 1, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.

[c3] The method of claim 1, wherein the miscible amine comprises about 0.2% to about 20% by weight of the well fluid.

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[c4] The method of claim 3, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well fluid.

[c5] The method of claim 3, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.

[c6] The method of claim 4, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well fluid.

[c7] The method of claim 1, wherein the synthetic polymer comprises polyethylene glycol.

[c8] The method of claim 1, wherein the miscible amine comprises triethanol amine.

[c9] A method for increasing the thermal stability of a well fluid comprising: mixing about 0.2% to about 20% by weight of a miscible amine into the well fluid, wherein the well fluid comprises a synthetic polymer.

[c10] The method of claim 9, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.

[c11] The method of claim 9, wherein the synthetic polymer comprises polyethylene glycol.

[c12] The method of claim 10, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.

[c13] The method of claim 9, wherein the miscible amine comprises triethanol amine.

[c14] A thermally stable well fluid comprising:  
a synthetic polymer; and  
an effective amount of miscible amine.  
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[c15] The well fluid of claim 14, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.

[c16] The well fluid of claim 14, wherein the synthetic polymer comprises polyethylene glycol.

[c17] The well fluid of claim 14, wherein the miscible amine comprises triethanol amine.

[c18] The well fluid of claim 14, wherein the miscible amine comprises about 0.2 % to about 20% by weight of the well fluid.

[c19] The well fluid of claim 18, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well fluid.

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- [c20] The well fluid of claim 18, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.
- [c21] The well fluid of claim 19, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well fluid.
- [c22] A method of treating a well comprising:  
injecting a well treating fluid into the well, wherein the well treating fluid comprises a synthetic polymer and an effective amount of a miscible amine.
- [c23] The method of claim 22, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines and mixtures thereof.
- [c24] The method of claim 22, wherein the synthetic polymer comprises polyethylene glycol.
- [c25] The method of claim 22, wherein the miscible amine comprises triethanol amine.
- [c26] The method of claim 22, wherein the miscible amine comprises about 0.2% to about 20% by weight of the well treating fluid.
- [c27] The method of claim 26, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well treating fluid.
- [c28] The method of claim 26, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well treating fluid.
- [c29] The method of claim 27, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well treating fluid.